



2022

GEAR

ELECTROMAGNETIC DOSING PUMPS WITH
MECHANICAL STROKE LENGTH REGULATION

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Thanks to its modern conception, this pump combines reliability, dosing precision and easy installation, representing a reference point in the base mounted metering pump sector.

DISPLAY AND KEYPAD

GEA R is programmable through a keypad. All settings are shown on the 2-line/8-digit backlit display.

EXTERNAL SIGNAL CONNECTOR

The connector is protected by an IP65 cover.

DOSING MODE

The pump head, equipped with a low-level alarm, has a manual priming valve. The flow rate can be adjusted either manually or automatically, in this latter case using input signals, within a range between 0 (pump stop) and 100% of the maximum flow rate.

PUMP HEAD MATERIALS:

- Body: PVDF
- Valves: Ceramic ball
- O-Ring: FPM/EPDM
- Diaphragm: PTFE
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The parts coming into contact with the dosed liquid, have been designed to be compatible with the mostly used chemical products.



TECHNICAL CHARACTERISTICS

Flow rate range: 2.5 to 18 l/h

Accuracy: $\leq 2,0\%$

Max Pressure: 16 bar (232 psi)

Manual priming valve

Manually adjustable stroke length

Stabilized Multi Power Supply 100 - 240 Vac, 50/60 Hz

Frequency: up to 300 strokes/minute

Pump head: PVDF with integrated antiseepage system to prevent electric damages in case of chemical leakage

Diaphragm: PTFE

Case: PP reinforced with fiber glass (protection degree IP65)

Base mounting

Installation Kit included + wall mounting bracket

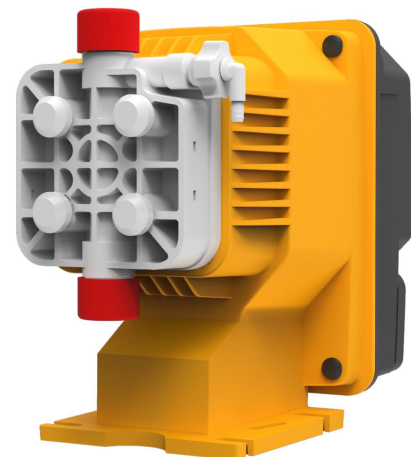
5 YEARS WARRANTY DIAPHRAGM

- Thanks to its advanced design and manufacturing process, Injecta diaphragm has an excellent service life.
- The PTFE diaphragm is compatible with the mostly used chemical products.
- Operational costs can be reduced, thanks to a less frequent maintenance.

CONSTANT DOSING

GEA R Series is equipped with a Stabilized Multi Power Supply 100÷240 Vac, 50/60 Hz.

- The solenoid only absorbs the power required to activate the pump, based on the working conditions
- Improved pump efficiency is not affected by power supply fluctuations.



GEA-R BL MANUAL ADJUSTMENT WITH LEVEL CONTROL

Manual adjustment through the front panel showing the percentage of frequency (P %) or the number of strokes (F). Input for level probe included.



GEA-R MT AUTOMATIC CONTROL (ANALOGUE/DIGITAL PULSE SIGNAL INPUT)

Equipped with a status indicator, level control and 2 different dosing modes:

- Constant – The pump doses in constant mode, manually selectable on the display.
- Proportional – The pump doses in proportional mode, based on a digital pulse signal (e.g. from water meter), or an external analogue signal (4 – 20 mA).

Other characteristics:

- Timer function
- PPM proportional dosing
- Statistics
- Password
- Input On-Off (remote control)



TECHNICAL DATA

	FLOW RATE (l/h)	PRESSURE (bar)	CC PER STROKES	IN/OUT CONNECTION (Ø mm.)	Maximum frequency (s/min)
Model SERIE 1	25	20	0.35	4 - 6 / 4 - 7	120
	3	18	0.42		
	4.2	14	0.58		
	7	8	0.97		
Model SERIE 2	4	12	0.42	4 - 6	160
	5	10	0.52		
	6	8	0.63		
Model SERIE 3	8	2	0.83	4 - 6	300
	7	16	0.38		
	10	10	0.55		
	15	5	0.83		
Model SERIE 4	18	1	1.00	8 - 12	300
	20	5	1.11		
	32	4	1.78		
	62	2	3.44		
	110	0.1	6.11		

